

Class Mode Extension Activity 2: Before and After – 2.12

From the teaching guide of <http://wikieducator.org/Tsunami>

Builds on: <ul style="list-style-type: none"> Lesson 2.12 – Physical Impacts Lesson 1.1X - Understanding of physical attributes of tsunami, especially run-up Future connections: <ul style="list-style-type: none"> Lesson 2.2X – Social Impacts Lesson 3.42 – tsunami game 	Connection to Learning Outcomes: <ul style="list-style-type: none"> Define tsunami, describe how it occurs and identify the warning signs - both man-made and natural. <u>Describe the physical and social effects that a tsunami can have.</u> Design and evaluate survival plans and <u>precautions against the threat of tsunami</u> for their local context and other contexts.
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Collaborative Activity:

Students work in groups to analyse the before and after images displayed in lesson 2.12. Groups discuss one element of the pictures and present their findings to the class. http://wikieducator.org/Tsunami/Phase_2/Lesson1_2.

Preparation:

- Access the set of before and after pictures displayed in lesson 2.12. Note – click on any image to display large version of the image with manual toggle (mouse over to change to before pic, mouse off to change to after pic). <http://www.globalsecurity.org/military/world/indonesia/aceh-andaman-tsunami-imagery.htm>
- If classroom will not have internet access or offline activity is preferred, a set of before and after images will need to be printed prior to the lesson.
- Write the four group focuses on the board before lesson starts or as class settles.

Roles & Responsibilities:

Class is divided into 4 groups. Each group has a different focus for their group discussion. Teacher assigns each group with one of the following focuses:

- Consider the extent of the damage in these pictures and explain in detail how the tsunami caused it.
- Most structures are destroyed, while a mosque remains standing. Examine in detail why this is.
- Describe some of the long term effects that would be caused by the damage shown.
- Based on what you know about tsunami evacuation routes, identify the problems that people in this area would have faced as they tried to escape the tsunami.

Facilitation:

Time	Action	Notes
T – 10 min	Introduce activity. Split class into four groups & set up media.	<i>Groups should each appoint a chairperson and two note takers.</i>
10 – 30	Assign each group with a focus statement: time limit discussion.	
30 – 35	Dissolve groups and arrange seating for class discussion. Explain that each chairperson will introduce group focus: note takers will explain main points and the whole class will discuss.	<i>Encourage other group members to build on points raised by chair & note takers with aim of involving whole class.</i>
35 – End	Continue discussion on each focus for five minutes.	<i>Adhere to time limit strictly to include all.</i>

Some Potential Reflection Tasks (next lesson):

- Resume class discussion in future lesson on any points that were left unfinished.
- Students consider the structure and position of local buildings and discuss how tsunami-resistant the local area is (could be made into a group activity where each group considers the safety of structures in a different local area).
- Students compare local coastal topography to Aceh flat lowlands and discuss how this would affect evacuation.
- Class, group or individual task: contemplate and describe the impact on student's own life if their local community was destroyed completely & compare this impact to Aceh survivors who depended on the land for sustenance.